

Problem Set - 6

Introduction

Welcome to the 6th problem set of MLOO1! In this problem set you will find some problems to do by yourself.

This problem set will test your skills based on section-Decision Trees, so I highly recommend you to first watch the section and then start with this assignment.

Problems

- 1.) What is Ensemble learning?
- 2.) Write Pseudocode for Bagging
- 3.) Write Pseudocode for boosting
- 4.) What is Random Forest and use Iris dataset to implement RF using sklearn API.
- 5.) Explain Gradient Boosting DT
- 6.) Write GBDT from scratch in python [optional]

Submission Guidelines:-

You have to submit it through our official discord server and forms are provided on the course website to submit your problem set and you can discuss your answers in the discord community.